

Mobile Radio Channel Impulse Response: Measurements And Interpretations

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Summary

An impulse response measurement campaign was undertaken at 1.8 GHz in Hong Kong. This paper presents a selection of measurement results. A pseudorandom sequence clocked at 30 MHz occupying an RF bandwidth of 60 MHz was used as a probing signal. The results taken at a selected location are analyzed for CIR parameters like delay spread, average delay and significant number of paths. An attempt has been made to relate the measured data to the geometry of environmental features surrounding the transmitter and the receiver.

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